Amendments to the Specification:

Please amend the specification as follows:

Please replace the paragraph starting at page 7, line 21, and ending at page 7, line 30, with the following:

An output shaft of an engine is connected with the torque converter 1 as a rotation transmitting mechanism. Moreover, the output shaft of the engine is provided with a ~~the~~ lockup clutch 1a for directly connecting the engine with the CVT 3. An output shaft 13 of the torque converter 1 is connected to a ring gear 2a of a forward-backward switch mechanism 2. The forward-backward switch mechanism 2 is constituted of a planet gear mechanism including: 1) the ring gear 2a connected with the output shaft 13 of the torque converter 1, 2) a pinion carrier 2b, and 3) a sun gear 2c connected with a transmission input shaft 14. The pinion carrier 2b is provided with: 1) a backward brake 2e for holding the pinion carrier 2b to a transmission case (not shown) and 2) a forward clutch 2d for integrally connecting the transmission input shaft 14 with the pinion carrier 2b.

Please replace the paragraph starting at page 13, line 1, and ending at page 13, line 8, with the following:

By the following equation ~~expression~~ (1), the routine may calculate a primary pulley effective belt radius R1 and a secondary pulley effective belt radius R2 at the target gear change ratio Ip:

$$R1 = f(Ip, L, AA) \qquad \ldots \qquad \text{Equation } \sout{\text{Expression}} \text{ (1)}$$

where f is a function of the primary pulley effective belt radius R1 with parameters including the target gear change ratio Ip, a peripheral length L of the belt 15, and an inter-axial length AA.

$$R2 = Ip \cdot R1 \qquad \ldots \qquad \text{Equation } \sout{\text{Expression}} \text{ (2)}$$

Please replace the paragraph starting at page 13, line 11, and ending at page 13, line 13, with the following:

Based on a thrust force balancing ~~expression~~ equation, the routine may calculate a required primary thrust force Fzp and a required secondary thrust force Fzs at the target gear change ratio Ip.

Please replace the paragraph starting at page 16, line 7, and ending at page 16, line 10, with the following:

The required primary thrust force Fzp and the required secondary thrust force Fzs may be given respectively by the following ~~expression~~ equation (3) and ~~expression~~ equation (4):

$$Fzp=Pp \cdot Asft+Pcl \cdot Acl \qquad \ldots \qquad \text{~~Expression~~ Equation (3)}$$

$$Fzs=Ps \cdot Asft+Pcl \cdot Acl \qquad \ldots \qquad \text{~~Expression~~ Equation (4)}$$

Please replace the paragraph starting at page 16, line 22, and ending at page 16, line 26, with the following:

Herein, changing the ~~expression~~ equation (3) and the ~~expression~~ equation (4) with Pp·Asft=Yp, Ps·Asft=Ys, and Pcl·Acl=X may bring about the following ~~expression~~ equation (5) and ~~expression~~ equation (6):

$$Yp=-X+Fzp \qquad \ldots \qquad \text{~~Expression~~ Equation (5)}$$

$$Ys=-X+Fzs \qquad \ldots \qquad \text{~~Expression~~ Equation (6)}$$

Please replace the paragraph starting at page 17, line 16, and ending at page 17, line 18, with the following:

With the above, the clamp chamber oil pressure Pcl can be calculated by the following ~~expression~~ equation (7):

$$Pcl=Fzp/(Asft+Acl) \qquad \ldots \qquad \text{~~Expression~~ Equation (7)}$$

Please replace the paragraph starting at page 17, line 20, and ending at page 17, line 22, with the following:

A second assumption is made such that Fzp<Fzs. In this case, the following ~~expression~~ equation (8) is made:

$$Pcl=Fzs/(Asft+Acl) \qquad \ldots \qquad \text{~~Expression~~ Equation (8)}$$

Please replace the paragraph starting at page 21, line 4, and ending at page 21, line 11, with the following:

By the following ~~expression~~ equation (9), the routine may calculate the primary pulley effective belt radius R1 and the secondary pulley effective belt radius R2 at the target gear change ratio Ip:

$$R1=f(Ip, L, AA) \qquad \ldots \qquad \text{~~Expression~~ Equation (9)}$$

where f is the function of the primary pulley effective belt radius R1 with parameters including the target gear change ratio Ip, the peripheral length L of the belt 15, and the inter-axial length AA.

R2=Ip·R1   ...   ~~Expression~~ <u>Equation</u> (10)

Please replace the paragraph starting at page 21, line 14, and ending at page 21, line 16, with the following:

Based on the thrust force balancing ~~expression~~ <u>equation</u>, the routine may calculate the required primary thrust force Fzp and the required secondary thrust force Fzs at the target gear change ratio Ip.